Title (en)

CDMA receiver and channel estimation method

Title (de)

CDMA-Empfänger und Kanalschätzungsverfahren

Title (fr)

Récepteur AMRC et Procédé d'estimation de voie

Publication

EP 1298814 A3 20040331 (EN)

Application

EP 02020407 A 20020910

Priority

JP 2001295604 A 20010927

Abstract (en)

[origin: EP1298814A2] A CDMA receiver performs a first channel estimation using pilot bits in first channel estimating portion of each finger, performs a synchronous detection on received bits other than the pilot bits in synchronous detector of each finger, performs rake synthesis on results of the synchronous detections in rake synthesizer, synthesizes transmission power control bits in TPC synthesizer, makes a hard decision on both a synthesized transmission power control bit and the bits other than both the pilot bits and the transmission power control bits in hard decision circuit, performs a second channel estimation using a result of the hard decision in second channel estimating portion of each finger, and averages a results of the first and second channel estimations in averaging circuit in each finger. <IMAGE>

IPC 1-7

H04B 1/707

IPC 8 full level

H04B 1/707 (2011.01); **H04B 1/712** (2011.01); **H04B 7/005** (2006.01); **H04J 13/00** (2011.01); **H04W 24/02** (2009.01); **H04W 76/02** (2009.01)

CPC (source: EP US)

H04B 1/712 (2013.01 - EP US); H04B 2201/70701 (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1298814 A2 20030402; **EP 1298814 A3 20040331**; **EP 1298814 B1 20051207**; DE 60207802 D1 20060112; DE 60207802 T2 20060831; JP 2003110460 A 20030411; JP 3562502 B2 20040908; US 2003058823 A1 20030327

DOCDB simple family (application)

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